No. 9100199

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

AgriPro Biosciences Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT TY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Tomahawk'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of* Washington, D.C. *this* 30th *day of* June *in the year of our Lord one thousand nine hundred and* ninety-three.

Attest:

Kenneth B. Evans
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

RECEIVED APR 2 2 1991

APPROVAL EXPIRES 4-30-85

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

1. NAME OF APPLICANT(S) ~~AgriPro Bioscience Inc.~~ HybriTech US, a Monsanto Company

2. TEMPORARY DESIGNATION WI88-083 CGM 01 Jun 1998

3. VARIETY NAME Tomahawk

4. ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*
6700 Antioch
Shawnee Mission, Kansas 66204

5. PHONE *(Include area code)*
913-384-4940 (KS)
303-532-3721 (CO)

FOR OFFICIAL USE ONLY

PVPO NUMBER 9100199

6. GENUS AND SPECIES NAME Triticum aestivum

7. FAMILY NAME *(Botanical)* Gramineae

FILING DATE June 17, 1991
TIME ☐ A.M. ☐ P.M.

8. KIND NAME Hard Red Winter Wheat

9. DATE OF DETERMINATION
~~1) 1988~~ July 1989
~~2) 1990~~ AMS ltr 15 Mar 1993

FEES RECEIVED
AMOUNT FOR FILING $ 2150.00
DATE June 11, 1991
AMOUNT FOR CERTIFICATE $ 250.00
DATE June 17, 1993

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION *(Corporation, partnership, association, etc.)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

12. DATE OF INCORPORATION
February 8, 1989

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

~~R.E. Heiner~~
~~6700 Antioch~~
~~Shawnee Mission, KS 66204~~
~~913-384-4940~~

Mark J. Messmer
HybriTech US
5912 North Meridian
Wichita KS 67204

~~C. Bruns or John Moffatt~~
~~P.O. Box 30~~
~~Berthoud, CO 80513~~
~~PHONE (Include area code): 303-532-3721~~

316-755-7707
Fax: 316-755-0072
email: Mark.J.Messmer@Monsanto.Com

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

a. ☒ Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)* CGM 01 Jun 1998
b. ☒ Exhibit B, Novelty Statement.
c. ☒ Exhibit C, Objective Description of Variety *(Request form from Plant Variety Protection Office.)*
d. ☒ Exhibit D, Additional Description of Variety.
e. ☒ Exhibit E, Statement of the Basis of Applicant's Ownership. Exhibit F. Quality and Agronomic Data

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act.)* ☒ Yes *(If "Yes," answer items 16 and 17 below)* ☐ No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☒ Yes ☐ No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☒ Foundation ☒ Registered ☒ Certified

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?
☐ Yes *(If "Yes," give date)*
☒ No

19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☐ Yes *(If "Yes," give names of countries and dates)*
☒ No

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT Robert E Heiner — DATE May 29, 1991

SIGNATURE OF APPLICANT — DATE

FORM WA-470 (7-84) (Edition of 3-84 is obsolete.)

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9100199

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF TOMAHAWK

A large number of strong-strawed F_2 populations dissimilar in pedigree were bulked in 1981. This bulk was grown at several locations in the Great Plains typified by extreme environmental stress during grain fill. The bulk was mass selected for grain filling using a gravity table after harvest each year from 1981 through 1985. The mass selected population was grown at a very low planting rate in Berthoud, Colorado during the 1986 crop year and individual F_6 plants were selected and advanced for preliminary yield testing in 1987. Tomahawk represents one of these individual plant selections and was assigned experimental number WI88-083. WI88-083 has since been tested in replicated yield trials over a fairly broad geographical area in the Hard Red Winter Wheat region from 1988 thru 1990. Tomahawk was entered in selected official 1991 university trials and in the 1991 Southern Regional Performance Nursery.

In 1989, 48 $F_{6:8}$ head-rows were grown in Berthoud, Colorado. Forty-two of these head-rows were selected for harvest and advanced to a two acre progeny breeder seed increase in 1990, which produced 10,450 pounds of seed.

Tomahawk is uniform and stable. Less than 0.5% of the plants were rouged from the breeder seed field in 1990. Approximately 90% of these rouged variant plants were three to ten centimeters taller than Tomahawk. Up to 1% of total variant plants may be encountered in subsequent generations.

EXHIBIT B.

NOVELTY STATEMENT

Tomahawk is most similar to the hard red winter wheat Victory. However, it can be distinguished by the following morphological characteristics:

- Tomahawk has a glume length that is significantly shorter than Victory, (see statistical data page 1).
- Tomahawk has a glume width that is classified as narrow. Victory has a glume width that is classified as midwide, (see statistical data page 1).

ANOVA TABLE FOR GLUME LENGTH AND WIDTH

TOMAHAWK vs. VICTORY

THE FOLLOWING RESULTS ARE FOR:
VAR = 1.000 (Tomahawk)
TOTAL OBSERVATIONS: 25

	VAR	GLUMELENGTH	GLUMEWIDTH
N OF CASES	25	25	25
MINIMUM	1.000	6.700	3.000
MAXIMUM	1.000	7.600	4.000
MEAN	1.000	7.072	3.436
STANDARD DEV	0.000	0.211	0.241

THE FOLLOWING RESULTS ARE FOR:
VAR = 2.000 (Victory)
TOTAL OBSERVATIONS: 25

	VAR	GLUMELENGTH	GLUMEWIDTH
N OF CASES	25	25	25
MINIMUM	2.000	6.800	2.500
MAXIMUM	2.000	8.500	3.600
MEAN	2.000	7.396	3.116

DEP VAR:GLUMELENGTH

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	1.312	1	1.312	10.748	0.002
RESIDUAL	5.860	48	0.122		

DEP VAR: GLUMEWIDTH

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	1.280	1	1.280	15.709	0.000
RESIDUAL	3.911	48	0.081		

Tomahawk

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
AgriPro Biosciences Inc.

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
6700 Antioch
Shawnee Mission
Kansas 66204

FOR OFFICIAL USE ONLY
PVPO NUMBER 9100199
VARIETY NAME OR TEMPORARY DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:

[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:

[2] 1 = SPRING 2 = WINTER 3 = OTHER *(Specify)* _____ [2] 1 = SOFT 2 = HARD 3 = OTHER *(Specify)* _____

[2] 1 = WHITE 2 = RED 3 = OTHER *(Specify)* _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:

[2][3][0] FIRST FLOWERING planting [2][3][6] LAST FLOWERING

4. MATURITY *(50% Flowering)*: *Equal to Victory

[0][3] NO. OF DAYS *EARLIER* THAN ..... [2] 1 = ARTHUR 2 = SCOUT 3 = CHRIS

[---] NO. OF DAYS *LATER* THAN ..... [--] 4 = LEMHI 5 = NUGAINES 6 = LEEDS

5. PLANT HEIGHT *(From soil level to top of head)*:

[0][9][0] CM. HIGH *Equal to Victory

[---] CM. TALLER THAN ..... [---]

[1][5] CM. SHORTER THAN ..... [2] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING *(See reverse)*:

[2] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:

[1] 1 = YELLOW 2 = PURPLE

8. STEM:

[1] Anthocyanin: 1 = ABSENT 2 = PRESENT

[2] Waxy bloom: 1 = ABSENT 2 = PRESENT

[2] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT

[1] Internodes: 1 = HOLLOW 2 = SOLID

[0][5] NO. OF NODES *(Originating from node above ground)*

[2][5] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:

[2] Anthocyanin: 1 = ABSENT 2 = PRESENT

[2] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:

[1] Flag leaf at booting stage: erect to 90 degree angle to stem 1 = ERECT 2 = RECURVED 3 = OTHER *(Specify)*: _____

[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED

[1] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT

[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT

[1][2] MM. LEAF WIDTH *(First leaf below flag leaf)*

[2][0] CM. LEAF LENGTH *(First leaf below flag leaf)*:

FORM LPGS-470-6 (7-81) (Edition of 3-79 may be used)

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FORM GR-470-6 (REVERSE) Tomahawk 9100199

11. HEAD:

[3] Density: 1 = LAX 2 = DENSE 3=middense

[1] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify) _____

[4] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____

[6.8] CM. LENGTH

[8.6] MM. WIDTH

12. GLUMES AT MATURITY:

[1] Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.)

[1] Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) 3 = WIDE (CA. 4 mm.)

[3-4] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE rounded to square

[3] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[2] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[2] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[1] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[2] Brush: 1 = SHORT 2 = midlong 3 = LONG

[1] Brush: 1 = NOT COLLARED 2 = COLLARED

[---] Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[3] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

[5.6] MM. LENGTH [3.1] MM. WIDTH [40] GM. PER 1000 SEEDS

17. SEED CREASE:

[1] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[1] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3=Moderately Susceptible 4=Moderately Resistant

[4] STEM RUST (Races) field races

[4] LEAF RUST (Races) field races

[0] STRIPE RUST (Races) _____

[0] LOOSE SMUT

[2] POWDERY MILDEW

[0] BUNT

[0] OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3=Moderately Susceptible 4=Moderately Resistant

[0] SAWFLY

[0] APHID (Bydv.)

[0] GREEN BUG

[0] CEREAL LEAF BEETLE

[0] OTHER (Specify) _____

HESSIAN FLY RACES: [1] GP [0] A [0] B [0] C [0] D [0] E [0] F [0] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Victory	Seed size	Victory
Leaf size	Victory	Seed shape	Victory
Leaf color	Victory	Coleoptile elongation	Victory
Leaf carriage	Victory	Seedling pigmentation	Victory

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.T. Briggle and L. P. Reitz. 1963. Classification of Triticum Species and Wheat Varieties Grown in the United States. Technical Bulletin 1278. United States Department of Agriculture.

(b) W.E. Wallis. 1965. A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity. Contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

EXHIBIT D.

ADDITIONAL BOTANICAL DESCRIPTION OF TOMAHAWK

Tomahawk is a hard red winter wheat bred and developed by AgriPro Biosciences Inc. Tomahawk is a very high yielding, strong strawed, medium height semidwarf variety with midseason maturity and fair winterhardiness. Milling and baking properties are acceptable.

Juvenile growth habit is semi-erect. Plant color at boot stage is green with an erect (to 90 degree angle from stem) flag leaf. Head shape is tapering, middense, awned and white at maturity. Glumes are short in length and narrow in width with rounded to square shoulders and acuminate beaks. Seed shape is ovate with rounded cheeks. Brush is midsized, midlong and is not collared. Seed crease is narrow and shallow.

Tomahawk is well adapted to the central Great Plains, including southern Nebraska, northern Texas and Oklahoma, eastern Colorado and the entire state of Kansas. Tomahawk performs well for both irrigated and dryland areas of these states.

AGRIPRO WHEAT
HARD RED WINTER WHEAT

YEAR: 1990

YEAR	VARIETY OR LINE	LOC	FLOUR/WHEAT QUALITY: WHT PROT	FLR PROT	HRD	NHRD	FLR YLD	ASH	MIXOGRAM: PK TIME	PK HT	TOL	BAKING QUALITY: ABS	MIX TIME	LOAF VOL	CRUMB: GR	TX	COL	OVER ALL	CMT
	(Tomahawk)		14%mb	14%mb R			% R		min	N.U.	mm R	% R	min R	cc R	R	R	R	R	
90	WI88-083	NO	13.2	12.4 4	67	83	69.4 3	.381	3.00	5.5	1350 5	64.0 2	3.00 3	920 7	4	3	2	47	B
90	WI88-083	CI	13.6	12.4 4	63	96	66.7 4	.539	2.75	5.5	1059 5	64.0 3	2.75 5	800 9	4	3	2	53	
89	WI88-083	GI	13.1	11.6 4	69	65	68.7 2	.000	3.00	5.8	1064 8	61.0 3	3.00 3	900 6	4	3	2	52	
89	WI88-083	NO	12.2	11.6 2	64	79	68.5 3	.000	3.50	5.0	1488 6	62.0 3	3.50 3	990 5	3	2	2	46	
88	WI88-083	SK	14.6	14.1 4	65	83	62.5 3	.000	2.50	5.7	827 7	63.0 3	2.50 5	920 6	4	3	3	53	
	AVERAGE		13.3	12.4 4	66	81	67.2 3	.460	2.95	5.5	1158 6	62.8 3	2.95 4	906 7	4	3	2	50	
90	HAWK	NO	12.5	11.6 6	63	95	69.4 3	.496	4.50	4.8	1736 3	62.0 4	4.50 3	920 7	4	3	2	49	
90	HAWK	CI	13.5	12.4 4	65	86	66.2 5	.585	4.25	5.0	1488 2	64.0 3	4.25 1	1000 4	4	3	2	39	
89	HAWK	GI	12.4	11.1 6	66	74	67.8 3	.000	4.00	5.0	1507 3	60.0 4	4.00 1	900 6	3	3	2	44	
89	HAWK	NO	12.6	11.7 6	65	78	70.1 2	.000	3.25	5.3	1437 4	62.0 5	3.25 1	1000 6	3	2	2	50	
88	HAWK	SK	14.8	13.6 5	62	87	59.8 5	.000	5.00	4.7	1890 1	62.0 4	5.00 5	1050 4	4	4	3	46	R
	AVERAGE		13.2	12.1 5	64	84	66.7 4	.541	4.20	5.0	1612 3	62.0 4	4.20 2	974 5	4	3	2	46	

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AGRIPRO HARD RED WINTER WHEAT TRIAL SUMMARY

VAR./ LINE	YIELD (BU/A) 1988 (2)	1989 (4)	1990 (8)	3-YR. AVG (14)	T.WT. (LB/BU)	HD	ANTH	MT	COLEO	HT	STRAW STRENGTH	LEAF RUST S	LEAF RUST R	STEM RUST S	STEM RUST R	PM	HF	WSMV	SBMV	SSMV
WI88-024	78.0	79.1	62.3	73.1	62.4	5	6	5	3	4.5	3	2	5	3	4	5	8	5	7	7
WI88-083	81.5	85.1	73.0	79.9	61.2	4	5	3	5	4	4	2	3	5	4	2	8	7	4	3
HAWK	77.4	88.1	58.4	75.3	60.6	5	6	6	4	5	5	8	8	4	4	6	8	6	3	2
THUND.BD	76.0	78.6	67.6	74.1	62.2	5	6	5	2	5	3	3	6	5	4	7	6	5	3	6
VICTORY	74.8	88.6	72.5	77.7	61.2	5	5	3	5	4	4	2	3	7	5	5	9	7	3	2
ABILENE	74.7	83.2	67.5	75.1	62.4	6	7	6	5	3	2	3	7	6	5	8	8	6	3	4

Data generated in 1988:

Berthoud, CO - Yield, Test Wt., Height, Lodging severity (straw strength), Maturity, Pollination, Hessian Fly (greenhouse screening), Powdery Mildew, Leaf Rust, Stem Rust (greenhouse screening)

Salina, KS - Yield, Test Wt.

Everest, KS - Soil Borne Mosaic Virus

Data generated in 1989:

Berthoud, CO - Yield, Test Wt., Height, Heading Date, Stem Rust (grnhse. & field), Leaf Rust (grnhse)

Nardin, OK - Yield, Test Wt., Height, Maturity, Lodging severity (straw strength), Leaf Rust (field)

Garden City, KS - Yield, Test Wt.

Geneva, NE - Yield, Test Wt., Height

Data generated in 1990:

Berthoud, CO - Yield, Test Wt., Height, Powdery Mildew, Coleoptile (grnhse), Leaf Rust (grnhse), Stem Rust (field & grnhse)

Nardin, OK - Yield, Test Wt., Maturity, Height, Leaf Rust

Wichita, KS - Yield, Powdery Mildew

Salina, KS - Yield, Leaf Rust

Everest, KS - Yield, SSMV

Geneva, NB - Yield, Leaf Rust

Grant, NE - Yield, Test Wt., Lodging severity (straw strength), SBMV

Burlington, CO - Yield, Test Wt.,Lodging severity

Hays, KS - WSMV (visual screening, Dr. T.J. Martin, KSU)

*The rankings in the table above are based on a scale of 1-9, where 1 and 9 represent the following extremes for the respective traits.

	1	9
Test Weight	high	low
Heading	early	late
Anthesis	early	late
Maturity	early	late
Coleoptile	long	short
Height	short	tall
Straw strength	strong	weak
All disease & insect ratings	resistant	susceptible

EXHIBIT E.

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

AgriPro Biosciences Inc. is the applicant for protection in this case being:

a) The incorporated business (registered in Delaware) for and within which regular employees have bred the named variety.

b) The proprietory owner and intending commercial user of the variety.

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EXHIBIT F.

QUALITY AND AGRONOMIC DATA

//